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<110> French, Cynthia K
      Schneider, Patrick A.
      Yamamoto, Karen K.
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Met Ala Pro Ile Thr Thr Ser Arg

rell.

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Gly	Leu	Val	Phe	Thr	Val	Ser	Leu	Phe	Ala	Trp	Ile	Cys	Cys	Gln	Arg	
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att	224	aaa	at t	a t	att	tac	cc+	ca a	aac	cta	aat	agc	aaa	aag	ааσ	366
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ьеu	пув	GIY		Asp	TTE	TYL	١		VOII	пеп	No.	DCI.	70	Lys	Ly 5	
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Phe	Gly		Asp	qaA	Lys	Asn	Glu	Val	Lys	Asn	Lys		Ala	Val	Pro	
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								\								
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Lys	Asn	Ser	Leu	His	Leu	Asp	Leu	Glų	Lys	Arg	Asp	Leu	Asn	Gly	Asn	
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Phe	Pro	Lys	Thr	Asn	Leu	Lys	Pro	Gly	Şer	Pro	Ser	Asp	Leu	Glu	Asn	
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Pro	Ата	Pne	_	GIU	Thr	/ne	1111		IAT	GIY	116	PIO		1111	GIII	
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					tca											1030
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His	Leu	Pro	Lys	Ser	Asp'	Val	Ser	Gly	Leu	Ser	Asp	Pro	Tyr	Val	Lys	
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ata	aac	cta	tac	cat	gcc	aaa	aag	aga	atc	tcc	aag	aag	aag	act	cat	1182
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Asp		Pro	Cvs	Glu	Gly	Leu	Glu	Asp	Ile	Ser	Val	Glu	Phe	Leu	Val	
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                                  25
                                                       30
Phe Ala Trp Ile Cys Cys Gln Arg\Lys Ser Ser Lys Ser Asn Lys Thr
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Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp Ile Tyr Pro
                                               60
                          55
Glu Asn Leu Asn Ser Lys Lys Phe Gly Ala Asp Asp Lys Asn Glu
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                                           75
Val Lys Asn Lys Pro Ala Val Pro Lys Asn Ser Leu His Leu Asp Leu
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Glu Lys Arg Asp Leu Asn Gly Asn Phe Pro\Lys Thr Asn Leu Lys Pro
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                                 105
Gly Ser Pro Ser Asp Leu Glu Asn Ala Thr Pro Lys Leu Phe Leu Glu
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Gly Glu Lys Glu Ser Val Ser Pro Glú Ser Leu Lys Ser Ser Thr Ser
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Leu Thr Ser Glu Glu Lys Gin Glu Lys Leu Gly Thr Leu Phe Phe Ser
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Leu Glu Tyr Asn Phe Glu Arg Lys Ala Phe Val Val Asn Ile Lys Glu
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Ala Arg Gly Leu Pro Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro
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                                                      190
Tyr Ile Lys Met Thr Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr
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                                                  205
                             200
Arg Val Leu Arg Lys Thr Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr
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Phe 225	Tyr	Gly	Ile	Pro	Tyr 230	Thr	Gln	ITe	Gln	Glu 235	Leu	Ala	Leu	His	Phe 240
Thr	Ile	Leu	Ser	Phe 245	Asp	Arg	Phe	Ser	Arg 250	Asp	Asp	Ile	Ile	Gly 255	Glu

Val Leu Ile Pro Leu Ser Gly Ile Glu Leu Ser Glu Gly Lys Met Leu
260 265 270

Met Asn Arg Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg 275 280 285

Gly Glu Leu Leu Ile Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu 290 295 300

Thr Val Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser 305 310 315 320

Gly Leu Ser Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys
325 330 \ 335

Arg Ile Ser Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala 340 345 350

Val Phe Asn Glu Leu Phe Val Phe Asp Ile Pro/Cys Glu Gly Leu Glu
355 360 365

Asp Ile Ser Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg 370 380

Asn Glu Val Ile Gly Gln Leu Val Leu Gly Ala Ala Glu Gly Thr
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Phe Ala Trp Ile Cys Cys Gln Arg Arg Ser Ala Lys Ser Asn Lys Thr
Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp \[ \frac{1}{4}le Tyr Pro
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     50
                          55
Glu Asn Leu Ser Ser Lys Lys Lys Phe Gly Gly Asp Asp Lys Ser Glu
                      70
                                           75
                                                                80
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Ala Lys Arg Lys Ala Ala Leu Pro Asn Leu Ser Leu His Leu Asp Leu
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Gly Ser Ser Ser Asp Leu Glu Asn Val Thr Pro Lys Leu Phe Pro Glu 115 120 125

Thr Glu Lys Glu Ala Val Ser Pro Glu Ser Leu Lys Ser Ser Thr Ser

Leu Thr Ser Glu Glu Lys Gln Glu Lys Leu Gly Thr Leu Phe Leu Ser
145 150 155 160

Leu Glu Tyr Asn Phe Glu Lys Lys Ala\Phe Val Val Asn Ile Lys Glu
165 170 175

Ala Gln Gly Leu Pro Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro
180 185 190

Tyr Ile Lys Met Thr Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr 195 200 \ 205

Arg Val Leu Arg Lys Thr Leu Asp Pro Val Phe Asp Glu Thr Phe Thr 210 215 220

Phe Tyr Gly Val Pro Tyr Pro His Ile Gln Glu Leu Ser Leu His Phe
225 230 235 240

Thr Val Leu Ser Phe Asp Arg Phe Ser Arg Asp Asp Val Ile Gly Glu 245 250 255

Val Leu Val Pro Leu Ser Gly Ile Glu Leu Ser Asp Gly Lys Met Leu
260 265 270

Met Thr Arg Glu Ile Ile Lys Arg Asn Ala Lys Lys Ser Ser Gly Arg 275 280 285

Gly Glu Leu Leu Val Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu 290 295 300

Thr Val Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser 305 310 315 320

Gly Leu Ser Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys

Arg Ile Ser Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala

Val Phe Asn Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Ser Leu Glu 355 365

Glu Ile Ser Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg

Asn Glu Val Ile Gly Arg Leu Val Leu Gly Ala Thr Ala Glu Gly Ser
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Asp Pro Tyr Val Lys Val Lys Leu Ile Pro Asp Asp Lys Asp Gln Ser 50 55 60

Lys Lys Lys Thr Arg Thr Thr Lys Ala Cys Leu Asn Pro Val Trp Asn 65 70 75 80

Glu Thr Leu Thr Tyr Asp Leu Lys Pro Glu Asp Lys Asp Arg Arg Ile
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                                  25
Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser Gly Leu Ser
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                                                  45
Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys Arg Ile Ser
     50
Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala Val Phe Asn
 65
                     70
                                          75
Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Gly Leù Glu Asp Ile Ser
                                                           95
                 85
                                      90
Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg Asn Glu Val
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Ile Gly Gln Leu Val Leu Gly Ala Ala
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             20
                                                      30
                                 25
Leu Lys Lys Met Asp Val Gly Gly Leu Ser Asp Pro Tyr Val Lys Ile
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                             40
His Leu Met Gln Asn Gly Lys Arg Leu Lys Lys Lys Thr Thr Ile
                                              60
     50
                         55
Lys Lys Asn Thr Leu Asn Pro Tyr Tyr Asn Glu Ser Phe Ser Phe Glu
 65
                     70
Val Pro Phe Glu Gln Ile Gln Lys Val Gln Val Val Thr Val Leu
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                                      90
Asp Tyr Asp Lys Ile Gly Lys Asn Asp Ala Ile Gly Lys Val Phe Val
                                105
                                                     110
            100
Gly Tyr Asn
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Ala Ala Glu Leu Pro Ala Leu Asp Met Gly Gly Thr Ser Asp Pro Tyr
         35
                              40
Val Lys Val Phe Leu Leu Pro Asp Lys Lys Lys Phe Glu Thr Lys
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Val His Arg Lys Thr Leu Asn Pro Val Phe Asn Glu Gln Phe Thr Phe
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                                          75
Lys Val Pro Tyr Ser Glu Leu Gly Gly Lys Thr Leu Val Met Ala Val
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Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro Tyr Ile Lys Met Thr
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Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr Arg Val Leu Arg Lys
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Thr Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr Phe Tyr Gly I'le Pro
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Ser
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<211> 10
<212> PRT
<213> Homo sapiens
<220>
<223> residue 2= Leu, Met, Ile, Val, Ser, Ala, Thr, Rhe,
      Cys, Gly, Asp or Glu
<220>
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<223> residue 10=Lys, Arg or Tyr
<400> 16
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
<210> 17
<211> 9
<212> PRT
<213> Homo sapiens
<220>
<223> residue 2=Thr or Val
<400> 17
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys
<210> 18
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<223> residue 2=Thr or Val
<400> 18
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
  1
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<220>
<223> residue 2=Tyr, Phe or Trp
<220>
<223> residue 9=Phe, Ile, Trp, Met or Leu
<400> 19
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
  1
                  5
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  <211> 10
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  <213> Homo sapiens
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  <223> residue 2=Tyr, Phe or Tro
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 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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  Glu Glu Phe Asp Glu Ile Pro Thr Val Val\Gly Ile Phe Ser Ala Phe
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  Gly Leu Val Phe Thr Val Ser Leu Phe Ala Trp Ile Cys Cys Gln
               20
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  <211> 34
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  <400> 22
  Ser Ser Lys Ser Asn Lys Thr Pro Pro Tyr Lys Phe Val His Val Leu
   1
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  Lys Gly Val Asp Ile Tyr Pro Glu Asn Leu Asn Ser Lys Lys Lys Phe
                                    25
               20
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  Gly Ala
  <210> 23
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  <212> PRT
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Ser Pro Ser Asp Leu Glu Asn Ala Thr Pro Lys Leu Phe Leu Glu Gly
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Glu Lys Glu Ser Val Ser Pro Glu Ser
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<213> Homo sapiens
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Leu Pro Glu Lys Lys His Lys Val Lys Thr Arg Val Leu Arg Lys Thr
Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr Phe Tyr Gly Ile Pro Tyr
             20
                                  25
Thr Gln Ile Gln Glu Leu Ala Leu His Phe Thr \Ile Leu Ser Phe Asp
         35
                              40
Arg Phe Ser Arg Asp Asp Ile Ile Gly Glu Val Leu
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<210> 25
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Ile Pro Leu Ser Gly Ile Glu Leu Ser Glu Gly Lys Met Leu Met Asn
  1
Arg Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg Gly Glu
             20
                                  25
Leu Leu Ile Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu
         35
                              40
<210> 26
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